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Customer Number 020991

Patent
PD-200277A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: : Date: June 22, 2001
DONALD C. D. CHANG ET. AL
Serial No.: 09/839,851 : Group Art Unit: 2661
Filed: April 20, 2001
For: MULTIPLE DYNAMIC : Examiner: Not Known
CONNECTIVITY FOR
SATELLITE
COMMUNICATIONS SYSTEM

PRELIMINARY AMENDMENT IN RESPONSE TO NOTICE OF OMITTED
ITEM(S) IN A NONPROVISIONAL APPLICATION DATED JUNE
15, 2001

Commissioner of Patents
Washington, D.C. 20231
Attention: Office of
Initial Patent Examination

Dear Sir:

This Preliminary Amendment is being filed in response to the "Notice of Omitted Items In a NonProvisional Application" dated June 15, 2001 (copy enclosed) received for the above-identified patent application. The text of missing page 2 is being provided herein by way of this amendment. A clean page 2 is also supplied herewith. It is respectfully submitted that the "Summary of the Invention" provided in page 2 is fully supported by the specification already in the possession of the Office and that no new matter is being therein introduced. Therefore the application as amended should maintain the original filing date of April 20, 2001. Please amend the above-identified patent application as follows.



0939851-06201

In the specification: Please add the following as page 2 of the application:

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PD-200277A

SUMMARY OF THE INVENTION

The present invention provides a method and apparatus for communicating between a user terminal and a communications network based on an Internet protocol via multiple dynamic wireless communications linkages.

In one embodiment, the invention may be characterized as a method of data transfer for satellite communications systems that includes the steps of establishing multiple dynamic wireless linkages between a communications network based on an Internet protocol and a user terminal via a plurality of geo-stationary satellites and transferring datagrams conforming to the Internet protocol between the user terminal and the communications network over the multiple dynamic wireless linkages.

In another embodiment, the invention may be characterized as a user terminal for a satellite communications system that includes a multiple beam antenna for receiving and transmitting signals between the multiple link terminal and a plurality of geo-stationary satellites, a plurality of amplifiers coupled to the multiple beam antenna, a plurality of bandpass filters coupled to the plurality of amplifiers, a modem coupled to the plurality of bandpass filters, a router & hub coupled to the modem, a transport layer coupled to the router & hub, and an estimation processor coupled to the router & hub.

The aspects of the present invention

09839851.000001

REMARKS

A "Notice of Omitted Item(s) In a Nonprovisional Application" dated June 15, 2001 was received for the above-identified patent application. Page 2 of the application, which was the "SUMMARY OF THE INVENTION", section may have been either inadvertently omitted from the application as deposited or lost in transit or at the Office. In lieu of selecting options (I) or (II) provided in the Notice, Applicants hereby elect to amend the specification to include the text of page 2 and maintain a filing date as of the date of deposit of the application papers as deposited in the USPTO.

This preliminary amendment is being filed to amend the specification to include the missing "SUMMARY OF THE INVENTION". It is respectfully submitted that no new matter is being hereby introduced into the application since the text being added is merely a summary of the invention as described in various portions of the specification as filed and is fully supported by the original specification. For example, the first paragraph is supported by the first sentence of the Abstract, page 23; the second paragraph is supported by description of Figure 1 on pages 4-8 and claim 1; and the third paragraph is supported by the discussion of user terminals 110 and multiple beam antenna, pages 7-12 and the Abstract.

09/839,851 "0622904

The Office is, therefore, respectfully requested to enter this Amendment and incorporate the clean page 2 submitted herewith into the application before examination and publication.

If a telephone interview will advance the prosecution of this application, the Office is requested to call the undersigned attorney at the below-listed number. The undersigned attorney called OIPE Customer Service and talked to a Customer Service Representative on June 22, 2001 about this Preliminary Amendment in response to the Notice.

Respectfully submitted,
DONALD C. D. CHANG ET. AL

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I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner of Patents, Washington, D.C. 20231, on June 22, 2001 (date of deposit).

Express Mail No. EF740971229US

Janet Bollinger

(Type or Printed name of person mailing application)

Janet Bollinger

(Signature)

6/22/01

(Date of Signature)

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